

Amendments to the Claims:

2. (Currently amended) A method according to claim 7, ~~wherein further comprising adding~~ a phosphoramidite group is added to the 3' position of said 2' modified nucleoside.

3. (Currently amended) A method according to claim 2, wherein ~~further comprising incorporating~~ said phosphoramidite 2' modified nucleoside is incorporated into a growing nucleic acid.

4. (Previously amended) A method according to claim 7 wherein said nucleoside is a naturally occurring nucleoside.

5. (Cancelled)

6. (Previously amended) A method according to claim 7 wherein said activating agent is carbonyldiimidazole.

7. (Currently amended) A method for making a 2' modified nucleoside ~~comprising~~ having a covalently attached electron ~~transport~~ transfer moiety, said method comprising:

a) adding an anhydro-nucleoside and an electron transfer moiety ~~comprising~~ having a primary amine in the presence of an activation agent to form an activated anhydro-nucleoside;

b) treating said anydronucleoside with a cyclization agent to form a cyclized intermediate; and




c) treating said cyclized intermediate with a base to form said 2' modified nucleoside.

Claims ~~8-9~~ (cancelled).

10. (Currently amended) A method for making a 2' modified nucleoside comprising ~~a covalently attached transition metal complex, said method comprising~~ at least one covalently attached polydentate ligand that chelates a transition metal, said method comprising:

a) adding an anhydro-nucleoside and at least one polydentate ligand comprising a primary amine in the presence of an activation agent to form an activated anhydro-nucleoside;

b) treating said anydronucleoside with a cyclization agent to form a cyclized intermediate;

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- c) treating said cyclized intermediate with a base to form said 2' modified nucleoside;
and
d) adding a transition metal.
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11. (Cancelled)

Claims 13-15 (cancelled)

16. (New) A method according to claim 7, wherein said electron transfer moiety is ferrocene.

17. (New) A method according to claim 10, wherein said transition metal is selected from the group consisting of ruthenium, rhenium, osmium, platinum, cobalt and iron.

18. (New) A method according to claim 10, wherein a donor atom of said polydentate ligand is selected from the group consisting of nitrogen and oxygen.



19. (New) A method according to claim 10, wherein said polydentate ligand is pyridine.

20. (New) A method according to claim 10, wherein said polydentate ligand is bipyridine.

21. (New) A method according to claim 10, wherein said polydentate ligand is phenanthroline.
